

4-33629 (5038-W001).ST25.txt
SEQUENCE LISTING

<110> Genova Ltd.
Bougueret, Lydie

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4-33629A/GLT (5038-W001)

<150> US 60/475,121

<151> 2003-05-30

<150> US 60/475,082

<151> 2003-05-30

<150> US 60/475,083

<151> 2003-05-30

<150> US 60/484,102

<151> 2003-06-30

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<170> PatentIn version 3.1

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35 40 45

Asn Gly Leu Ser Ala Leu Arg Thr Ser Gly Ser Gln Ala Arg Ala Thr
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Cys Tyr Cys Arg Thr Gly Arg Cys Ala Thr Arg Glu Ser Leu Ser Gly
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Ser Ala Leu Arg Thr Ser Gly Ser Gln Ala Arg Ala Thr Cys Tyr Cys
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Arg Thr Gly Arg Cys Ala Thr Arg Glu Ser Leu Ser Gly Val Cys Glu
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Ile Ser Gly Arg Leu Tyr Arg Leu Cys Cys Arg
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Ala Val Phe Cys His Ser Gly His Ser Leu Gln Cys Tyr Asn Cys Pro
20 25 30

Asn Pro Thr Ala Asp Cys Lys Thr Ala Val Asn Cys Ser Ser Asp Phe
35 40 45

Asp Ala Cys Leu Ile Thr Lys Ala Gly Leu Gln Val Tyr Asn Lys Cys
50 55 60

Trp Lys Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg Leu Arg
65 70 75 80

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Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys Lys Asp Leu Cys Asn Phe
85 90 95

Asn Glu Gln Leu Glu Asn Gly Gly Thr Ser Leu Ser Glu Lys Thr Val
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20 25 30

Leu Gln Val Tyr Asn Lys Cys Trp Lys Phe Glu His Cys Asn Phe Asn
35 40 45

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Lys Lys Asp Leu Cys Asn Phe Asn Glu Gln Leu Glu Asn
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4-33629 (5038-W001).ST25.txt
Ala Gly Leu Gln Val Tyr Asn Lys
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Leu Arg Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys
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Met Ala Val Lys Lys Ile Ala Ile Phe Gly Ala Thr Gly Gln Thr Gly
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20 25 30

Leu Val Arg Asp Ser Ser Arg Leu Pro Ser Glu Gly Pro Arg Pro Ala
35 40 45

His Val Val Val Gly Asp Val Leu Gln Ala Ala Asp Val Asp Lys Thr
50 55 60

Val Ala Gly Gln Asp Ala Val Ile Val Leu Leu Gly Thr Arg Asn Asp
65 70 75 80

Leu Ser Pro Thr Thr Val Met Ser Glu Gly Ala Arg Asn Ile Val Ala
85 90 95

4-33629 (5038-W001).ST25.txt
Ala Met Lys Ala His Gly Val Asp Lys Val Val Ala Cys Thr Ser Ala
100 105 110

Phe Leu Leu Trp Asp Pro Thr Lys Val Pro Pro Arg Leu Gln Ala Val
115 120 125

Thr Asp Asp His Ile Arg Met His Lys Val Leu Arg Glu Ser Gly Leu
130 135 140

Lys Tyr Val Ala Val Met Pro Pro His Ile Gly Asp Gln Pro Leu Thr
145 150 155 160

Gly Ala Tyr Thr Val Thr Leu Asp Gly Arg Gly Pro Ser Arg Val Ile
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Ser Lys His Asp Leu Gly His Phe Met Leu Arg Cys Leu Thr Thr Asp
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His Asp Leu Gly His Phe Met Leu Arg
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Gln Tyr Gln

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Asp Val Thr Gln Ala Thr Pro Glu Thr Phe Thr Glu Asp Pro Asn Leu
35 40 45

Val Asn Asp Pro Ala Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp
50 55 60

Ile Ala Pro Ser Thr Asp Asp Leu Ala Ser Leu Ser Glu Lys Asn Thr
65 70 75 80

Thr Ala Glu Cys Trp Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser
85 90 95

Val His Arg Pro Val Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser
100 105 110

4-33629 (5038-W001).ST25.txt

Leu Arg Arg Met Tyr Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val
 115 120 125

Cys Lys Glu His Glu Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala
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Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp Ile Ala Pro Ser Thr
 35 40 45

Asp Asp Leu Ala Ser Leu Ser Glu Lys Asn Thr Thr Ala Glu Cys Trp
 50 55 60

Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser Val His Arg Pro Val
 65 70 75 80

Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg Arg Met Tyr
 85 90 95

Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val Cys Lys Glu His Glu
 100 105 110

Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala Gly Leu Pro Pro Arg
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4-33629 (5038-W001).ST25.txt

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4-33629 (5038-W001).ST25.txt

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Ala Gly Arg

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4-33629 (5038-W001).ST25.txt

Arg

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Asp Ala Leu Ser Ala Ser Val Val Lys
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Phe Pro Val Tyr Asp Tyr Asp Pro Ser Ser Leu Arg
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Val Asn Ser Gln Ser Leu Ser Pro Tyr Leu Phe Arg
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Val Ser Ala Gln Gln Val Gln Gly Val His Ala Arg
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4-33629 (5038-W001).ST25.txt

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Gly Val Ser Leu Arg Pro Ile Gly Ala Ser Cys Arg Asp Asp Ser Glu
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Cys Ile Thr Arg
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Ile Pro Ala Cys Ile Ala Gly Glu Arg
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4-33629 (5038-W001).ST25.txt

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Arg Tyr Gly Thr Cys Ile Tyr Gln Gly Arg
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Tyr Gly Thr Cys Ile Tyr Gln Gly Arg
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Tyr Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
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Ala Gly Pro Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys
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4-33629 (5038-W001).ST25.txt

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Ala Phe Gln Tyr His Ser Lys
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Cys Glu Glu Asp Lys Glu Phe Thr Cys Arg
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Val Thr Lys

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Glu Asp Pro Thr Val Ser Ala Leu Leu Thr Ser Glu Lys
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Val Pro Ser Leu Val Gly Ser Phe Ile Arg
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4-33629 (5038-W001).ST25.txt

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Cys Leu His Pro Cys Val Ile Ser Arg
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1 5

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Gly Trp Ser Thr Pro Pro Lys
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4-33629 (5038-W001).ST25.txt

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Asn Gly Gln Trp Ser Glu Pro Pro Lys
1 5

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Ser Arg

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Ser Phe Trp Thr Arg
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<210> 68
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<400> 68

Ser Phe Trp Thr Arg Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr
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4-33629 (5038-W001).ST25.txt

Pro Lys

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Ile Leu Ser Arg
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Thr Gly Glu Ser Ala Glu Phe Val Cys Lys
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Thr Gly Glu Ser Ala Glu Phe Val Cys Lys Arg
1 5 10

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Thr Thr Cys Trp Asp Gly Lys Leu Glu Tyr Pro Thr Cys Ala Lys
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Tyr Lys Pro Phe Ser Gln Val Pro Thr Gly Glu Val Phe Tyr Tyr Ser
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Cys Glu Tyr Asn Phe Val Ser Pro Ser Lys
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4-33629 (5038-w001).ST25.txt

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Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg
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Asp Val Val Gln Ile Thr Cys Leu Asp Gly Phe Glu Val Val Glu Gly
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Arg

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Glu Asp Thr Pro Asn Ser Val Trp Glu Pro Ala Lys
1 5 10

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Gly Asp Ser Gly Gly Ala Phe Ala Val Gln Asp Pro Asn Asp Lys
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4-33629 (5038-W001).ST25.txt

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Gln Phe Gly Pro Tyr Cys Gly His Gly Phe Pro Gly Pro Leu Asn Ile
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Glu Thr Lys

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Ser Asn Ala Leu Asp Ile Ile Phe Gln Thr Asp Leu Thr Gly Gln Lys
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<400> 81

Ser Ser Asn Asn Pro His Ser Pro Ile Val Glu Glu Phe Gln Val Pro
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Tyr Asn Lys

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Thr Asn Phe Asp Asn Asp Ile Ala Leu Val Arg
1 5 10

<210> 83

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Val Glu Asp Pro Glu Ser Thr Leu Phe Gly Ser Val Ile Arg
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<210> 84

<211> 14

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4-33629 (5038-WO01).ST25.txt

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Leu Glu Ala Leu Pro Asn Ser Leu Leu Ala Pro Leu Gly Arg
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Ser Phe Glu Gly Leu Gly Gln Leu Glu Val Leu Thr Leu Asp His Asn
1 5 10 15

Gln Leu Gln Glu Val Lys
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Val Ala Gly Leu Leu Glu Asp Thr Phe Pro Gly Leu Leu Gly Leu Arg
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Cys Phe Leu Gly Cys Glu Leu Pro Pro Glu Gly Ser Arg
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<210> 90
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Glu Phe Leu Glu Asp Thr Cys Val Gln Tyr Val Gln Lys

4-33629 (5038-W001).ST25.txt

1 5 10

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Arg

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4-33629 (5038-W001).ST25.txt

Met Leu Thr Glu Leu Glu Lys
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Cys Met Gly Thr Val Thr Leu Asn Gln Ala Arg
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1 5

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Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp Asn Lys

4-33629 (5038-W001).ST25.txt

1 5

10

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Gln Val Leu Ser Tyr Lys Glu Ala Val Leu Arg
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<213> Homo sapiens

<400> 105

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys
1 5 10

<210> 106
<211> 13
<212> PRT
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<400> 106

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys Lys
1 5 10

<210> 107
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<213> Homo sapiens

<400> 107

Cys Asp Tyr Trp Ile Arg
1 5

<210> 108
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<400> 108

Glu Leu Thr Ser Glu Leu Lys
1 5

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<210> 109
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<400> 109

Met Tyr Ala Thr Ile Tyr Glu Leu Lys
1 5

<210> 110
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<400> 110

Ser Leu Gly Leu Pro Glu Asn His Ile Val Phe Pro Val Pro Ile Asp
1 5 10 15

Gln Cys Ile Asp Gly
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<400> 111

Ser Tyr Pro Gly Leu Thr Ser Tyr Leu Val Arg
1 5 10

<210> 112
<211> 17
<212> PRT
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<400> 112

Thr Phe Val Pro Gly Cys Gln Pro Gly Glu Phe Thr Leu Gly Asn Ile
1 5 10 15

Lys

<210> 113
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<400> 113

Val Pro Leu Gln Gln Asn Phe Gln Asp Asn Gln Phe Gln Gly Lys
1 5 10 15

<210> 114
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4-33629 (5038-W001).ST25.txt

<400> 114

Val Val Ser Thr Asn Tyr Asn Gln His Ala Met Val Phe Phe Lys
1 5 10 15

<210> 115

<211> 13

<212> PRT

<213> Homo sapiens

<400> 115

Trp Tyr Val Val Gly Leu Ala Gly Asn Ala Ile Leu Arg
1 5 10

<210> 116

<211> 11

<212> PRT

<213> Homo sapiens

<400> 116

Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg
1 5 10

<210> 117

<211> 14

<212> PRT

<213> Homo sapiens

<400> 117

Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys
1 5 10

<210> 118

<211> 8

<212> PRT

<213> Homo sapiens

<400> 118

Gly Pro Ile Leu Pro Gly Thr Lys
1 5

<210> 119

<211> 10

<212> PRT

<213> Homo sapiens

<400> 119

His Trp Pro Ser Glu Gln Asp Pro Glu Lys
1 5 10

<210> 120

<211> 15

<212> PRT

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<400> 120

4-33629 (5038-W001).ST25.txt

His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
1 5 10 15

<210> 121
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<400> 121

Leu Leu Thr Thr Glu Glu Lys Pro Arg
1 5

<210> 122
<211> 13
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<400> 122

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg
1 5 10

<210> 123
<211> 24
<212> PRT
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<400> 123

Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp
1 5 10 15

Gln Asp His Ile Tyr His Pro Gln
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<211> 26
<212> PRT
<213> Homo sapiens

<400> 124

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro
1 5 10 15

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg
20 25

<210> 125
<211> 21
<212> PRT
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<400> 125

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
1 5 10 15

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Val Gln Lys Pro Lys
20

<210> 126
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Glu Val Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys
1 5 10

<210> 127
<211> 10
<212> PRT
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<400> 127

Gly Leu Met Tyr Ser Val Asn Pro Asn Lys
1 5 10

<210> 128
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<212> PRT
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<400> 128

Asn Ala Asn Thr Phe Ile Ser Pro Gln Gln Arg
1 5 10

<210> 129
<211> 19
<212> PRT
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<400> 129

Tyr Glu Ser His Glu Ser Met Glu Ser Tyr Glu Leu Asn Pro Phe Ile
1 5 10 15

Asn Arg Arg

<210> 130
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<212> PRT
<213> Homo sapiens

<400> 130

Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg
1 5 10

<210> 131
<211> 15
<212> PRT
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4-33629 (5038-W001).ST25.txt

<400> 131

Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg
1 5 10 15

<210> 132

<211> 21

<212> PRT

<213> Homo sapiens

<400> 132

Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe
1 5 10 15

Val Cys Gly Asp Arg
20

<210> 133

<211> 12

<212> PRT

<213> Homo sapiens

<400> 133

Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys
1 5 10

<210> 134

<211> 14

<212> PRT

<213> Homo sapiens

<400> 134

Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg
1 5 10

<210> 135

<211> 13

<212> PRT

<213> Homo sapiens

<400> 135

Arg Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys
1 5 10

<210> 136

<211> 22

<212> PRT

<213> Homo sapiens

<400> 136

Ala Gln Glu Pro Val Lys Gly Pro Val Ser Thr Lys Pro Gly Ser Cys
1 5 10 15

Pro Ile Ile Leu Ile Arg
20

4-33629 (5038-W001).ST25.txt

<210> 137
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<400> 137

Cys Ala Met Leu Asn Pro Pro Asn Arg
1 5

<210> 138
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<212> PRT
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<400> 138

Cys Leu Lys Asp Thr Asp Cys Pro Gly Ile Lys
1 5 10

<210> 139
<211> 16
<212> PRT
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<400> 139

Gly Pro Val Ser Thr Lys Pro Gly Ser Cys Pro Ile Ile Leu Ile Arg
1 5 10 15

<210> 140
<211> 10
<212> PRT
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<400> 140

Val Pro Phe Asn Gly Gln Asp Pro Val Lys
1 5 10

<210> 141
<211> 16
<212> PRT
<213> Homo sapiens

<400> 141

Val Pro Phe Asn Gly Gln Asp Pro Val Lys Gly Gln Val Ser Val Lys
1 5 10 15